

Valves & Injection Cleaner

Print date: 08.12.2011

Product code: 725

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SECTION 3: Composition/information on ingredients

Mixtures

Chemical characterization

Detergents, Dispersants
Synthetic agent combinations
Solvent mixture

Hazardous components

| EC No. | Chemical name | Quantity |
|--------------|--|-----------|
| CAS No. | Classification | |
| Index No. | GHS classification | |
| REACH No. | | |
| 215-535-7 | xylene | 30 - 35 % |
| 1330-20-7 | Xn, Xi R10-20/21-38 | |
| 601-022-00-9 | Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315 | |
| 265-149-8 | Distillates (petroleum, gasoline), hydrotreated light | 20 - 25 % |
| 64742-47-8 | Xn R10-65 | |
| | Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H304 H411 | |
| 200-661-7 | propan-2-ol; isopropyl alcohol; isopropanol | 20 - 25 % |
| 67-63-0 | F, Xi R11-36-67 | |
| 603-117-00-0 | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 | |
| 200-662-2 | acetone; propan-2-one; propanone | 20 - 25 % |
| 67-64-1 | F, Xi R11-36-66-67 | |
| 606-001-00-8 | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 | |
| 265-198-5 | solvent naphtha | 1 - 5 % |
| 64742-94-5 | Xn, N R65-66-67-51-53 | |
| | STOT SE 3, Asp. Tox. 1; H336 H304 | |
| 202-436-9 | 1,2,4-trimethylbenzene | < 1 % |
| 95-63-6 | Xn, Xi, N R10-20-36/37/38-51-53 | |
| 601-043-00-3 | Flam. Liq. 3, Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Aquatic Chronic 2; H226 H332 H319 H335 H315 H411 | |
| 202-049-5 | naphthalene | < 1 % |
| 91-20-3 | Carc. Cat. 3, Xn, N R40-22-50-53 | |
| 601-052-00-2 | Carc. 2, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1; H351 H302 H400 H410 | |

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

Description of first aid measures

General information

Move victim to fresh air. Put victim at rest and keep warm.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

In case of difficulties of breathing consult physician.

If victim is at risk of losing consciousness, position and transport on their side.

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After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes .
After contact with skin, wash immediately with plenty of Water and soap .
Rub in high-fat content cream.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Consult physician.

After ingestion

Let water be swallowed in little sips (dilution effect). Consult physician.

Most important symptoms and effects, both acute and delayed

Frequently or prolonged contact with skin may cause dermal irritation.
Irritation of eyes: Irritant effect possible.
After ingestion: Harmful: may cause lung damage if swallowed.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Indication of any immediate medical attention and special treatment needed

Warning about danger of aspiration.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Extinguishing powder. Sand. alcohol resistant foam. Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons

High power water jet.

Special hazards arising from the substance or mixture

Formation of decomposition products possible.
In case of fire and/or explosion do not breathe fumes.

Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Cool endangered container in case of fire.
Contaminated fire-fighting water must be collected separately.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

In case of fire: Wear self-contained breathing apparatus.
Keep away from sources of ignition. No smoking.

Environmental precautions

Beat down gas/vapours/mist with water spray.
Do not empty into drains or the aquatic environment.
In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

Methods and material for containment and cleaning up

Prevent spreading over great surfaces (e.g. by damming or installing oil booms).
Wipe up with absorbent material (eg. cloth, fleece).

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Closed devices. Vapours / aerosols must be extracted by suction immediately at point of origin.

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Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Further information on storage conditions

Packaging materials: metal.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (EH40)

| CAS No. | Chemical name | ml/m ³ | mg/m ³ | F/ml | Category | Origin |
|-----------|-------------------------------------|-------------------|-------------------|------|---------------|--------|
| 67-64-1 | Acetone | 500 | 1210 | | TWA (8 h) | WEL |
| | | 1500 | 3620 | | STEL (15 min) | WEL |
| 91-20-3 | Naphthalene | - | - | | TWA (8 h) | CHAN |
| | | - | - | | STEL (15 min) | CHAN |
| 95-63-6 | Trimethylbenzenes | 25 | 125 | | TWA (8 h) | WEL |
| | | - | - | | STEL (15 min) | WEL |
| 1330-20-7 | Xylene, o-, m-, p- or mixed isomers | 50 | 220 | | TWA (8 h) | WEL |
| | | 100 | 441 | | STEL (15 min) | WEL |

Biological Monitoring Guidance Values (EH40)

| CAS No. | Chemical name | Parameter | Value | Test material | Sampling time |
|-----------|-------------------------------------|----------------------|-----------------|---------------|---------------|
| 1330-20-7 | Xylene, o-, m-, p- or mixed isomers | methyl hippuric acid | 650 mmol/mol | urine | Post shift |

Exposure controls

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. "Wash hands when done working with material; at breaks, lunch, shift changes, etc."

Respiratory protection

Provide for good ventilation, when develop aerosols/mist. In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Tested protective gloves are to be worn: Butyl rubber. (EN 374)

Eye protection

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)

Skin protection

Wear suitable solvent-proof protective clothing according to EN 465.



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SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: liquid
Colour: blue
Odour: aromatic

Test method

Changes in the physical state

| | |
|---------------------------------|-----------------------------|
| Boiling point: | 110 - 116 °C |
| Flash point: | -5 °C |
| Lower explosion limits: | 0,6 vol. % |
| Upper explosion limits: | 12 vol. % |
| Ignition temperature: | > 200 °C |
| Vapour pressure: (at 20 °C) | 20 hPa |
| Density (at 20 °C): | 0.78-0.82 g/cm ³ |
| Water solubility: (at 20 °C) | insoluble |
| Solubility in other solvents: | Organic solvents |

SECTION 10: Stability and reactivity

Conditions to avoid

Only use material in places where open light, fire and other sources of ignition can be kept away.

Incompatible materials

Oxidizing agents. acid, concentrated. Alkalis (alkalis), concentrated.

Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO₂).

SECTION 11: Toxicological information

Information on toxicological effects

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Acute toxicity

| CAS No. | Chemical name | | | | |
|------------|---|--------|--------------|-----------|---|
| | Exposure routes | Method | Dose | Species | h |
| 1330-20-7 | xylene | | | | |
| | Acute oral toxicity | LD50 | 4300 mg/kg | rat. | |
| | Acute dermal toxicity | LD50 | 3200 mg/kg | Rabbit. | |
| 64742-47-8 | Distillates (petroleum, gasoline), hydrotreated light | | | | |
| | Acute oral toxicity | LD50 | >15000 mg/kg | rat. | |
| | Acute dermal toxicity | LD50 | 3400 mg/kg | rat. | |
| | Acute inhalation toxicity | LC50 | 13100 mg/l | rat. | |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | | |
| | Acute oral toxicity | LD50 | 5280 mg/kg | rat. | |
| | Acute dermal toxicity | LD50 | 12800 mg/kg | Rabbit. | |
| | Acute inhalation toxicity | LC50 | 47,5 mg/l | rat. | 4 |
| 67-64-1 | acetone; propan-2-one; propanone | | | | |
| | Acute oral toxicity | LD50 | 5800 mg/kg | Ratte | |
| | Acute dermal toxicity | LD50 | 20000 mg/kg | Kaninchen | |
| | Acute inhalation toxicity | LC50 | 76 mg/l | Ratte | 4 |
| 64742-94-5 | solvent naphtha | | | | |
| | Acute oral toxicity | LD50 | 5 mg/kg | rat. | |
| | Acute dermal toxicity | LD50 | >2 mg/kg | Rabbit. | |
| | Acute inhalation toxicity | LC50 | >590 mg/l | rat. | 4 |
| 95-63-6 | 1,2,4-trimethylbenzene | | | | |
| | Acute oral toxicity | LD50 | 5000 mg/kg | Ratte | |
| | Acute inhalation toxicity | LC50 | 18 mg/l | Ratte | 4 |
| 91-20-3 | naphthalene | | | | |
| | Acute oral toxicity | ATE | 500 mg/kg | | |

Irritation and corrosivity

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

After ingestion:

Harmful: may cause lung damage if swallowed.

SECTION 12: Ecological information

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Toxicity

| CAS No. | Chemical name | Method | Dose | Species | h |
|------------|---|--------|------------|---------------------------------|----|
| | Aquatic toxicity | | | | |
| 1330-20-7 | xylene | | | | |
| | Acute fish toxicity | LC50 | 26,7 mg/l | Pimephales promelas | 96 |
| 64742-47-8 | Distillates (petroleum, gasoline), hydrotreated light | | | | |
| | Acute fish toxicity | LC50 | 10 mg/l | Oncorhynchus mykiss | 96 |
| | Acute algae toxicity | ErC50 | 4,6 mg/l | Pseudokirchneriella subcapitata | 72 |
| | Acute crustacea toxicity | EC50 | 10 mg/l | Daphnia magna | 48 |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | | |
| | Acute fish toxicity | LC50 | 9640 mg/l | Pimephales promelas | 96 |
| | Acute algae toxicity | ErC50 | 1000 mg/l | Algae | 72 |
| | Acute crustacea toxicity | EC50 | 13299 mg/l | Daphnia magna | 48 |
| 67-64-1 | acetone; propan-2-one; propanone | | | | |
| | Acute fish toxicity | LC50 | 5540 mg/l | Onchorhynchus mykiss | 96 |
| | Acute crustacea toxicity | EC50 | 6100 mg/l | Daphnia magna | 48 |
| 64742-94-5 | solvent naphtha | | | | |
| | Acute fish toxicity | LC50 | 2-5 mg/l | Fish | 96 |
| | Acute algae toxicity | ErC50 | 1-3 mg/l | Algae | 72 |
| | Acute crustacea toxicity | EC50 | 3-10 mg/l | Daphnia | 48 |
| 95-63-6 | 1,2,4-trimethylbenzene | | | | |
| | Acute fish toxicity | LC50 | 7,72 mg/l | Pimephales promelas | 96 |
| | Acute crustacea toxicity | EC50 | 3,6 mg/l | Daphnia | 48 |

Bioaccumulative potential

Swims on the water.
Low potential of bio-accumulation.

Partition coefficient n-octanol/water

| CAS No. | Chemical name | Log Pow |
|---------|----------------------------------|---------|
| 67-64-1 | acetone; propan-2-one; propanone | -0,24 |
| 95-63-6 | 1,2,4-trimethylbenzene | 3,63 |

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Do not dispose with household waste.
Do not empty into drains or the aquatic environment.
Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.
Arrange about the exact waste code with the local waste disposal expert.

Contaminated packaging

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.
Do not pierce, cut up or weld unclean container. (Explosion hazard.)

SECTION 14: Transport information

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Land transport (ADR/RID)

UN number: UN1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
Transport hazard class(es): 3
Packing group: II
Hazard label: 3



Classification code: F1
Special Provisions: 274 601 640C
Limited quantity: 1 L
Transport category: 2
Hazard-no.: 33
Tunnel restriction code: D/E

Inland waterways transport

UN number: UN1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
Transport hazard class(es): 3
Packing group: II
Hazard label: 3



Classification code: F1
Special Provisions: 274 601 640C
Limited quantity: 1 L

Marine transport

UN number: UN1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
Transport hazard class(es): 3
Packing group: II
Hazard label: 3



Marine pollutant: -
Special Provisions: 274
Limited quantity: 1 L
EmS: F-E, S-E

Air transport

UN/ID number: UN1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
Transport hazard class(es): 3
Packing group: II

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Hazard label: 3



Special Provisions: A3

Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 L

Environmental hazards

Dangerous for the environment: no

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Additional information

Contains:

> 30 % aromatic hydrocarbons

15 - 30 % aliphatic hydrocarbons

National regulatory information

Water contaminating class (D): 2 - water contaminating

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

- 10 Flammable.
- 11 Highly flammable.
- 20 Harmful by inhalation.
- 20/21 Harmful by inhalation and in contact with skin.
- 22 Harmful if swallowed.
- 36 Irritating to eyes.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 36/38 Irritating to eyes and skin.
- 38 Irritating to skin.
- 40 Limited evidence of a carcinogenic effect.
- 50 Very toxic to aquatic organisms.
- 51 Toxic to aquatic organisms.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 53 May cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.



Safety Data Sheet

according to Regulation (EU) No. 1907/2006

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| | |
|------|---|
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)